The NIC 622M

The Digital Lightwave NIC 622M Network Information Computer is is a truly portable intuitive testing platform for global SONET/SDH and PDH networks.

The Digital Lightwave NIC 622M™ Network Information Computer® is a portable instrument for verifying and qualifying the performance of telecommunications networks and embedded network elements.

With a flexible software/firmware-based architecture, the multi-functional NIC 622M combines in a single platform a multitude of traditional hardware-based test sets required to install, monitor, and maintain today's global multi-protocol networks.

Providing a broad range of capabilities in a compact package weighing less than 6 kg (depending on configuration), the NIC 622M can simultaneously and independently test protocols ranging from DS0/64 Kbps through OC-12/STM-4.

The NIC 622M is easy to use, with intuitive touch-sensitive GUI capabilities that allow technicians of any experience level to operate the unit. Its flexible design lets you configure the NIC 622M to meet your current needs, then upgrade quickly and inexpensively as your network environment changes. The NIC 622M is also fully interoperable with the entire NIC product line, providing a broad range of diagnostic capabilities.

Network Information Computer (NIC 622M)

Digital Lightwave®

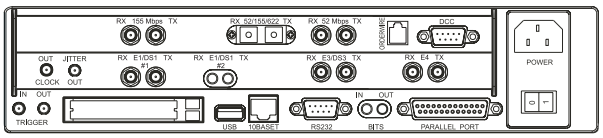
The NIC 622M

The Network Information Computer product family is a comprehensive line of portable analyzers used during the design, manufacture, installation, and maintenance of global communications networks, including G.709 OTN (OTU 1 and OTU 2), SONET/SDH, DWDM/OSA, GigE, 10/100 Ethernet, ATM, PoS, Jitter, and T/E-Carrier.

Major Features:

- Simultaneous and independent testing of PDH and SONET/SDH. Separate protocol processors for PDH (DS1/E1, DS3/E3, E4) and SONET/SDH (includes STM-0 through STM-4, and OC-1 through OC-12).
- Internal DS1/DS3 and E1/E3 drop/insert from SONET/SDH, built-in M13/E13
- SONET/SDH 1310 nm, 1550 nm, or 1310/1550 nm switchable wavelength laser option
- Alarm/error generation and analysis
- Test set configuration with graphical switch matrix
- Auto configuration to pattern level
- Troublescan
- 10.4" active matrix color display with touch screen
- Dual-slot PCMCIA interface
- Built-in optical power and frequency measurement
- Remote control GUI
- Software/firmware upgradeable via Web
- SCPI over GPIB, TCP/IP, or RS-232

Specifications are subject to change without notice.



Connector Panel

General Specifications

Operating Temperature: 0° to 40° C @ 85% RH
Storage Temperature: -20° to 60° C @ 95% RH
Power Requirements: 100 to 120 and 200 to 240 V AC, 50 to 60 Hz
Dimensions: 10.1 H x 12.3 W x 4.7 D in (257 x 312 x 120)
Weight: 10.5 lb

Auxiliary Interfaces

RS-232 Async: V.24, DB-9
Parallel Port: DB-25
DCC: RS-449, DB-15
Orderwire: Handset jack (A-law)
BITS/SETS Clock: Bantam
Input/Output Trigger: SMA
Jitter Out
PCMCIA: Dual Slot: 2-Type II or 1-Type III
10 BaseT: RJ-45
USB
802.11B: Wireless LAN PCMCIA support

Ordering Information

For complete feature availability, ordering and pricing information, call your Digital Lightwave sales representative at +1 727 442 6677, +1 800 548 9283, or visit our Web site at www.lightwave.com.

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